

Converting Colors

XYZ(46.0237, 51.4558, 42.5660)

Have a look what the booklet for
XYZ(46.0237, 51.4558, 42.5660)
contains.

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Color

**XYZ(46.2423, 51.7030,
42.6644)**

Conversions

Conversions Part 1

Format	Color
Hex	BAC2A4
RGB	186, 194, 164
RGB Percent	73%, 76%, 64%
CMY	0.2706, 0.2392, 0.3569
CMYK	0.04, 0.00, 0.15, 0.24
HSL	76°, 20%, 70%
HSV	76°, 15%, 76%
XYZ	46.2423, 51.7030, 42.6644
YIQ	188.1880, 4.8620, -11.0260

Conversions

Conversions Part 2

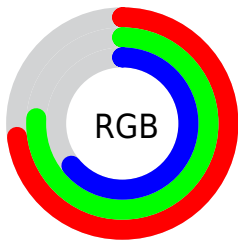
Format	Color
RYB	164, 194, 172
Decimal	12239524
CIELab	77.10, -8.05, 14.17
CIELCh	77, 16.299, 119.613
Yxy	51.7030, 0.3289, 0.3677
Android (android.graphics.Color)	4290429604 (0xFFBAC2A4)
YUV	188.1880, -11.9247, -1.9189
Hunter-Lab	71.9048, -11.0392, 15.1539

Details

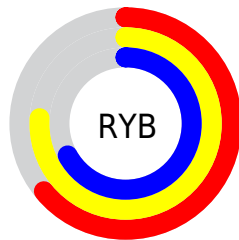
The XYZ color **46.2423, 51.7030, 42.6644** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.0284, 39.2180, 56.5018**, and the grayscale version is **47.9717, 50.4700, 54.9618**.

A 20% lighter version of the original color is **83.5897, 92.3629, 80.4400**, and **21.9756, 24.9126, 18.9796** is the 20% darker color. If you saturate the color by 10%, you get **43.3880, 50.4204, 34.0724**, and if you desaturate by 10%, it is **49.4122, 53.1206, 52.6685**.

Distribution



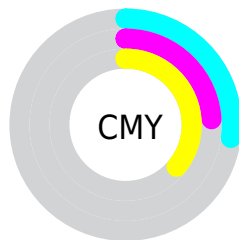
- Red (73%)
- Green (76%)
- Blue (64%)



- Red (64%)
- Yellow (76%)
- Blue (67%)



- Cyan (4%)
- Magenta (0%)
- Yellow (15%)
- Black (24%)



- Cyan (27%)
- Magenta (24%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2423, 51.7030, 42.6644 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 46.2423, 51.7030, 42.6644 by changing the saturation by 10% instead.

■ 46.2423, 51.7030,
42.6644

■ 46.2423, 51.7030,
42.6644

362.4815,
393.2889, 373.1104

■ 32.6425, 36.7684,
29.2924

■ 83.8072, 92.6931,
80.4851

■ 22.0106, 25.0282,
19.0547

■ 108.5029,
119.5173, 105.7709

■ 13.9814, 16.0981,
11.5326

137.6280,
151.0736, 135.8651

■ 8.1893, 9.5936,
6.3076

171.5479,
187.7463, 171.1862

■ 4.2692, 5.1303,
2.9612

210.6278,
229.9198, 212.1527

■ 1.8555, 2.3239,
1.0749

255.2331,

■ 0.5508, 0.7863,

277.9785, 259.1832

0.0000

305.7293,
332.3067, 312.6963

■ 0.0000, 0.0000,
0.0000

■ 46.2423, 51.7030,
42.6644

■ 46.2423, 51.7030,
42.6644

■ 43.3880, 50.4204,
34.0724

■ 49.4122, 53.1206,
52.6685

■ 40.8327, 49.2608,
26.8255

■ 52.9054, 54.6711,
64.1408

■ 38.5642, 48.2211,
20.8563


■ 56.7343, 56.3612,
77.1386


■ 36.5679, 47.2954,
16.0904


■ 60.9095, 58.1953,
91.7150

■ 34.8277, 46.4772,
12.4454


■ 64.4592, 59.7847,
102.7500


 33.3256, 45.7591,
9.8290


 65.9741, 60.5657,
102.8209


 32.0406, 45.1329,
8.1339

 67.5374, 61.3715,
102.8940

 30.9471, 44.5881,
7.2279

 69.1493, 62.2025,
102.9695

 30.4910, 44.3585,
6.9550

 70.8103, 63.0588,
103.0472

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.1826, 51.7030, 40.8297



46.2423, 51.7030, 42.6644



44.1557, 51.7030, 48.0593

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.2423, 51.7030, 42.6644



46.1751, 51.7030, 72.4223



55.3763, 51.7030, 56.4116

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.2423, 51.7030, 42.6644



40.0284, 39.2180, 56.5018

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



54.4905, 51.7030, 65.4233



46.2423, 51.7030, 42.6644



49.1017, 51.7030, 75.2442

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.2423, 51.7030, 42.6644



44.1181, 51.7030, 65.2020



52.1608, 51.7030, 72.5593



54.5338, 51.7030, 48.2400

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.2423, 51.7030, 42.6644



43.4846, 51.7030, 53.2603



52.1608, 51.7030, 72.5593



55.2703, 51.7030, 59.4445

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.2437, 51.7053, 42.6655



89.7508, 96.3397, 96.1688



43.7033, 43.6563, 41.2458



19.5598, 21.0553, 20.7548



0.0000, 0.0000, 0.0000



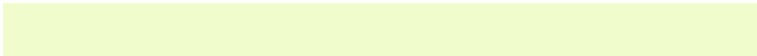
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.2437, 51.7053, 42.6655



81.7270, 92.7515, 71.0272



42.7889, 49.9243, 42.5038



10.6428, 11.6188, 10.7436



20.1269, 29.2046, 4.5763



0.9320, 1.2940, 0.2006

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.0284, 39.2180, 56.5018



68.0490, 65.2680, 101.4812



43.5084, 41.0120, 56.6647



9.7748, 9.8750, 12.6757



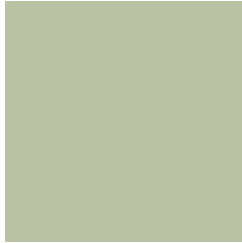
7.3925, 3.0714, 33.7598



0.3873, 0.1677, 1.4618

Previews

White Background



This preview shows how the XYZ color 46.2423, 51.7030, 42.6644 looks on a white background.

Color Contrast Check

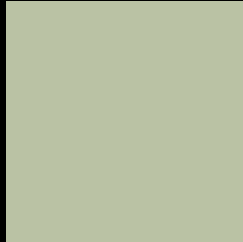
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 46.2423, 51.7030, 42.6644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

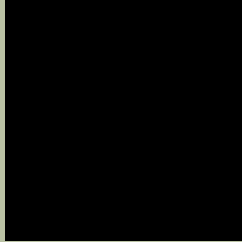
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2423, 51.7030, 42.6644

Background



This preview shows how black text looks on a background with the XYZ color 46.2423, 51.7030, 42.6644.



This preview shows how white text looks on a background with the XYZ color 46.2423, 51.7030,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.2423, 51.7030, 42.6644

Protanopia

48.7545, 51.7149, 41.5948

Deuteranopia

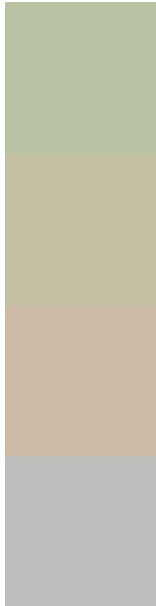
52.4317, 51.3719, 43.2287



Tritanopia

50.5009, 51.4847, 63.7758

Trichromacy



Original Color

46.2423, 51.7030, 42.6644

Protanomaly

47.7473, 51.5080, 42.0758

Deuteranomaly

50.0155, 51.3791, 42.8784

Tritanomaly

48.8340, 51.4482, 55.5008

Monochromacy



Original Color

46.2423, 51.7030, 42.6644

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.0437, 50.6464, 49.9441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2423, 51.7030, 42.6644 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(186, 194, 164)` looks like.

```
.text, #text, p{  
    color:rgb(186, 194, 164)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(186, 194, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 194, 164) }
```

Border

The CSS property to change the border of an element to XYZ 46.2423, 51.7030, 42.6644 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 194, 164) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(186, 194, 164) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(186, 194, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 194, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 194, 164);  
box-shadow:4px 4px 4px 4px rgb(186, 194,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2423, 51.7030, 42.6644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 194, 164) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(186,  
194, 164) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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